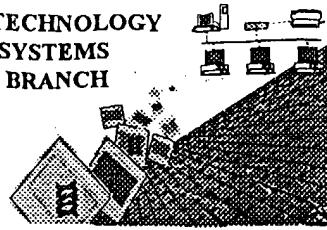


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/988,898A
Source: 1Fwp
Date Processed by STIC: 10/7/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED
SUGGESTED CORRECTION
SERIAL NUMBER: 10/788,898A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleic
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line **not exceed 72 characters** in length. This includes white spaces.
- 3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. **Do not use tab codes between numbers; use space characters**, instead.
- 4 Non-ASCII The submitted file was **not saved in ASCII(DOS) text**, as required by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
- 5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 Skipped Sequences
(OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(ii) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
(NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220>
→ Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/788,898A

DATE: 10/07/2004

TIME: 13:48:26

Input Set : A:\SUB21973US.ST25.txt
 Output Set: N:\CRF4\10072004\J788898A.raw

3 <110> APPLICANT: Hunter, Cornelius G.
 5 <120> TITLE OF INVENTION: Protein Sequence Signals and Their Applications
 7 <130> FILE REFERENCE: 021973-000100US
 9 <140> CURRENT APPLICATION NUMBER: us 10/788898A
 10 <141> CURRENT FILING DATE: 2004-02-26
 12 <160> NUMBER OF SEQ ID NOS: 6
 14 <170> SOFTWARE: PatentIn version 3.2
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 9
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Artificial
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: Protein sequence signal
 24 <400> SEQUENCE: 1
 26 Ala Asn Ile Ser Val Tyr Tyr Glu Met
 27 1 5
 30 <210> SEQ ID NO: 2
 31 <211> LENGTH: 9
 32 <212> TYPE: PRT
 33 <213> ORGANISM: Artificial
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: Protein sequence signal
 38 <400> SEQUENCE: 2
 40 Thr Ser Phe Asn Phe Trp Met Gly Val
 41 1 5
 44 <210> SEQ ID NO: 3
 45 <211> LENGTH: 9
 46 <212> TYPE: PRT
 47 <213> ORGANISM: Artificial
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: Protein sequence signal
 52 <400> SEQUENCE: 3
 54 Ser Gly Cys Gly Leu Ile Leu Asn Cys
 55 1 5
 58 <210> SEQ ID NO: 4
 59 <211> LENGTH: 11
 60 <212> TYPE: PRT
 61 <213> ORGANISM: Artificial
 63 <220> FEATURE:
 64 <223> OTHER INFORMATION: Protein sequence signal
 66 <400> SEQUENCE: 4
 68 Pro Ala Gly Glu Gln Glu Ala Phe Pro Pro Asn
 69 1 5

pp 1-2
 Does Not Comply
 Corrected Diskette Needed

give source of genetic material
(see item 11 on Error
summary
sheet)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/788,898A

DATE: 10/07/2004

TIME: 13:48:26

Input Set : A:\SUB21973US.ST25.txt
Output Set: N:\CRF4\10072004\J788898A.raw

72 <210> SEQ ID NO: 5
73 <211> LENGTH: 7
74 <212> TYPE: PRT
75 <213> ORGANISM: Artificial
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Protein sequence signal
80 <400> SEQUENCE: 5
82 Ala Arg Gln Glu Leu Lys Met
83 1 5
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 8
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Protein sequence signal
94 <400> SEQUENCE: 6
96 Cys Ile Leu Met Phe Trp Tyr Val
97 1 5

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/788,898A DATE: 10/07/2004
TIME: 13:48:27

Input Set : A:\SUB21973US.ST25.txt
Output Set: N:\CRF4\10072004\J788898A.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/788,898A

DATE: 10/07/2004

TIME: 13:48:27

Input Set : A:\SUB21973US.ST25.txt

Output Set: N:\CRF4\10072004\J788898A.raw